AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application Listing of Claims:

- 1. (Currently Amended) A dishwasher, comprising:
 - a housing:
 - a tub in the housing to hold tableware;
 - an injector assembly for injecting water on the tableware in the tub; and
- a water softener <u>device for</u> softening the water supplied to the injector assembly, the water softener <u>device</u> comprising:
- a first container holding an ion-exchange resin for removing heavy metal and metal ions from the water;
- a second container holding a predetermined amount of salt and salt water to supply the salt water to the first container to recycle the ion-exchange resin that is saturated;
 - a float installed in the second container; and
- a sensor provided to the second container to sense a concentration of the salt water according to based on a distance from of the float from the sensor and generate a signal corresponding to the sensed distance.
- 2. (Original) The dishwasher as claimed in claim 1, wherein the float fluctuates in height according to the concentration of the salt water.

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- 3. (Currently Amended) The dishwasher as claimed in claim 1, wherein a guide for guiding floatage of the float is further provided to in the second container.
- 4. (Original) The dishwasher as claimed in claim 1, wherein the float comprises a body and a magnet attached to the body.
- 5. (Original) The dishwasher as claimed in claim 1, wherein the sensor senses an amount of the salt in the second container according to the distance from the float.
- 6. (Original) The dishwasher as claimed in claim 1, wherein the sensor senses a shortage of the salt in the second container according to the distance from the float.
- 7. (Original) The dishwasher as claimed in claim 1, wherein the sensor generates a current if the distance from the float is smaller than a predetermined distance.
- 8. (Original) The dishwasher as claimed in claim 1, wherein the sensor generates a current to vary according to the distance from the float.

- 9. (Original) The dishwasher as claimed in claim 1, further comprising an information device informing the concentration of the salt water according to a signal generated from the sensor.
- 10. (Original) The dishwasher as claimed in claim 1, further comprising an information device informing a salt amount in the second container.
- 11. (Original) The dishwasher as claimed in claim 10, wherein the information device informs a shortage of the salt amount.
- 12. (Currently Amended) A water softener of device for a dishwasher, the water softener device softening water supplied to an injector assembly of the dishwasher, the water softener device comprising:
- a first container holding an ion-exchange resin for removing heavy metal and metal ions from the water;
- a second container holding a predetermined amount of salt and salt water to supply the salt water to the first container to recycle the ion-exchange resin that is saturated;
 - a float installed in the second container; and

a sensor provided to the second container to sense a concentration of the salt water according to based on a distance from of the float from the sensor and generate a signal corresponding to the sensed distance.

- 13. (Currently Amended) The water softener <u>device</u> as claimed in claim 12, wherein the float fluctuates in height according to the concentration of the salt water.
- 14. (Currently Amended) The water softener <u>device</u> as claimed in claim 12, wherein a guide for guiding floatage of the float is further provided to the second container.
- 15. (Currently Amended) The water softener <u>device</u> as claimed in claim 12, wherein the float comprises a body and a magnet attached to the body.
- 16. (Currently Amended) The water softener <u>device</u> as claimed in claim 12, wherein the sensor senses an amount of the salt in the second container according to the distance from the float.
- 17. (Currently Amended) The water softener <u>device</u> as claimed in claim 12, wherein the sensor senses a shortage of the salt in the second container according to the distance from the float.

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- 18. (Currently Amended) The water softener <u>device</u> as claimed in claim 12, wherein the sensor generates a current if the distance from the float is smaller than a predetermined distance.
- 19. (Currently Amended) The water softener <u>device</u> as claimed in claim 12, wherein the sensor generates a current to vary according to the distance from the float.
- 20. (Currently Amended) The water softener <u>device</u> as claimed in claim 12, further comprising an information device informing the concentration of the salt water according to a signal generated from the sensor.
- 21. (Currently Amended) The water softener <u>device</u> as claimed in claim 12, further comprising an information device informing a salt amount in the second container.
- 22. (Currently Amended) The <u>dishwasher-water softener device</u> as claimed in claim 21, wherein the information device informs a shortage of the salt amount.